

NEWHANK

QUALITY AV PRODUCTS

RACKMOUNT 5" TRIPLE LCD HDMI MONITORS



USER MANUAL

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1. INTRODUCTION

This LCD screen is a multirack panel with three 5" LCD monitors with HDMI inputs and composite video input. It is a high quality product, made for any professional display applications in different markets such as broadcast, industry, security, ...

2. PACKAGES CONTENT

- Rackmount panels
- Power supply
- Ears for rackmount
- Power cord
- User manual

3. PRODUCT DESCRIPTION

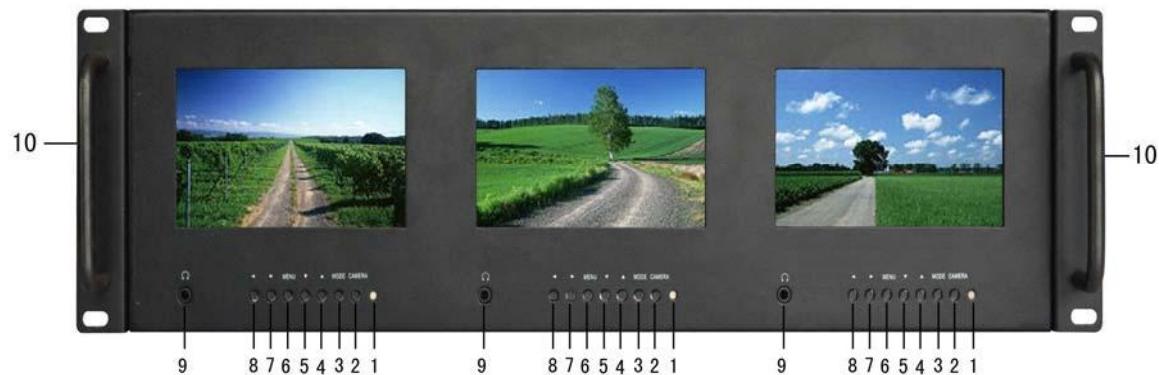
This triple LCD screen display provides video monitor & audio monitor. The monitor with high resolution 800*480, to receive the HDMI and analog composite video signal, with the audio input, earphone monitoring functions. MVIW-050X3-RK can also provide HDMI,HD video signal output. All video signals by digital processing, high quality scaling on the screen. Can be used in the TV news production, editing, broadcast and television, special vehicles areas .

- HDMI/composite video and audio input
- HDMI output
- 5D II camera mode
- Peaking filter (Peaking focus assist) mode
- Picture color temperature selection
- Black and white picture (Red, Green, Blue display)
- Screen marker (80%,85%,90%,93%,96% optional)
- Center marker
- 4:3 or 16:9 Aspect ratio setting
- Brightness, Contrast, Hue, Saturation and Color Temperature Adjustment
- 6 levels of brightness cycle adjustment shortcuts
- Earphone monitoring

4. SPECIFICATIONS

Panel size	TFT LCD 5.0 inch x3 1152000 Pixels
Panel type	TFT LCD
Resolution	800 x 480
Resolution up to	1920 x 1440
Horizontal frequency range	30 ~ 60kHz
Vertical frequency range	60Hz ~ 70Hz
Dot pitch	0.045(W) x 0.135 (H)
Display ratio	16 : 9
Brightness	350 cd/m ²
Contrast ratio	500:1
Response time	10ms
Viewing angle	70°/70° (L/R) 50°/70° (U/D)
Backlight	LED
Input signal	HDMI, VIDEO, AUDIO
Signal output	HDMI
Earphone output	Stereo 3.5 mm insert
HDMI support mode	480i, 480p, 576i, 576p, 720p/50/60Hz 1080i50/60Hz, 1080p50/60Hz
Video color system	PAL - 4.43, NTSC - 3.58
Input power voltage range	DC 6-24V
Unit power consumption	≤ 21W
Standby current	≤150mA/12V
Unit size	482.6 mm×132.5 mm×105.0 mm
Working temperature	- 20°C ~ 55°C
Storage temperature	- 30°C ~ 65°C

5. PANEL FUNCTION AND BUTTON OPERATING INSTRUCTION



1. POWER INDICATOR: Orange light is NO signal state, green light is in working state.

2. CAMERA: Canon 5D Mark II Camera Mode(camera mode is recording, full display on monitor, No delay, No deform).

3. MODE: To switch VIDEO, HDMI input signal

4. ▲: No Menu State press the button directly, select peaking filter function, enter into menu item, up to select adjustment button.

5. ▼: No Menu State press the button directly, color, black & white / monochrome switch button, to switch image color, black & white, monochrome(Red, Green, Blue), enter into menu item, down to select adjustment button.

6. MENU: To activate or close OSD menu

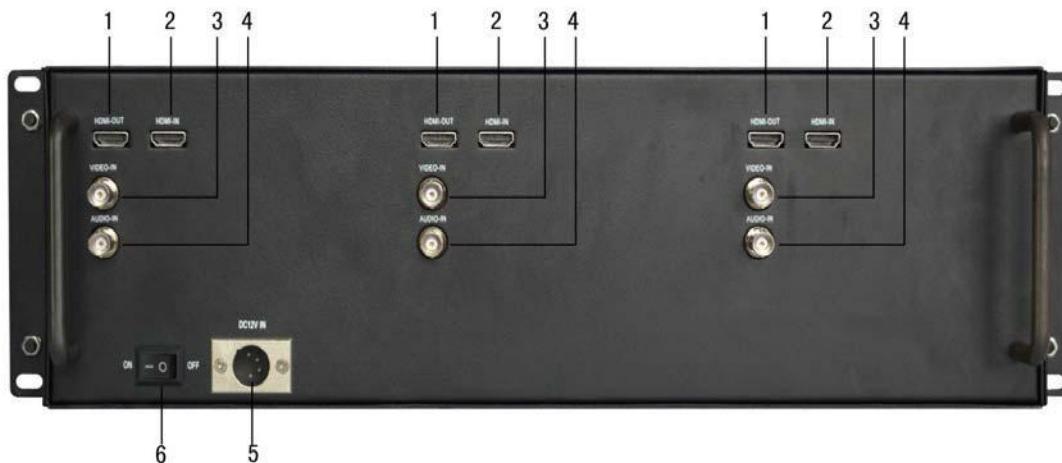
7. ►: Volume adjustment button, before adjustment press to confirm, then use “►”(increase)“◀” (decrease) to adjust the volume. Under menu state to confirm function or increase the value of the analog.

8. ◀: Screen marker display shortcut button, press it directly to select screen marker ratio (80%, 85%, 90%, 93%, 96%, off). Volume adjusting is for volume down. Under menu state to confirm function or reduce the value of the analog.

9. : Earphone insert.

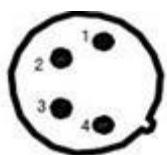
10. The front handle.

6. REAR PANEL AND INTERFACE INSTRUCTION



1. **HDMI-OUT:** HDMI HD signal output
2. **HDMI-IN:** HDMI HD signal input
3. **V-IN:** Composite video signal input
4. **A-IN:** Audio signal input
5. **4 pin XLR DC power input interface**
6. **Power ON/OFF switch**

7. POWER INPUT



Pin Number	Signal
1	GND
2-3	NC
4	+12V

Users can use this monitor with attached power adapter for power supply, can also use DC power which output power is more than 20W for power supply

External power supply, please follow the picture XLR marked the correct access power.

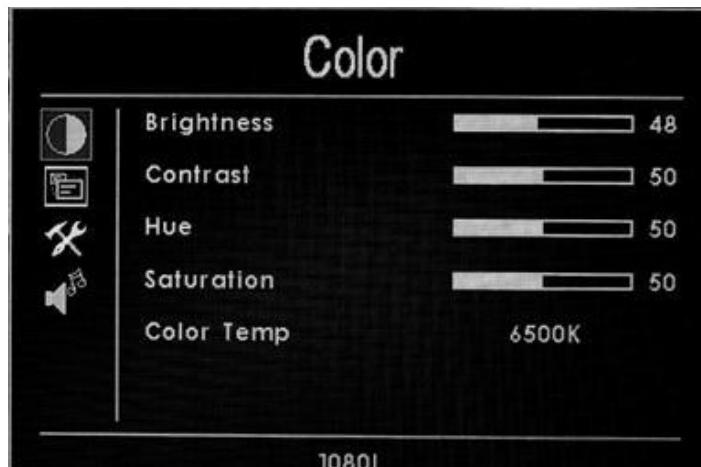
8. OSD OPERATING INSTRUCTION

Before setting the menu functions, please make sure the device is connected correctly. Power switch(at the back of the unit) dial to ON position. The monitor enter into working state. Please dial to OFF position ,when need to close the unit. After enter into working state, press the "mode" button on the unit, according to the input video signal to switch signals (under NO menu state, using the shortcut button on the panel to operate).

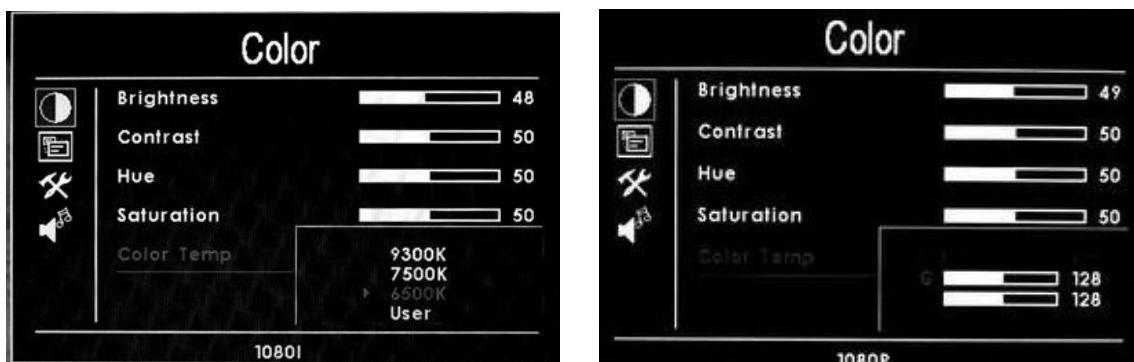
Press "MENU" button on the unit, then enter into OSD menu operation. Operate "▲"or"▼"on the unit to select or adjust the needed options: (color), (menu), (function), (sound). After select options, press "◀"or"▶"on the unit to confirm, then using "▲"or"▼"to select or adjust the value of Analog. After confirm the needed adjust parameters, using "◀"or"▶"to adjust. If need to exit OSD menu, press "MENU" button again.

a) COLOR menu

Enter into "Color" OSD, press "◀"or"▶"button to confirm, then enter to adjust the color parameters, use "▲"or"▼"to select adjustment item, then use"◀"or"▶"adjust the parameters.



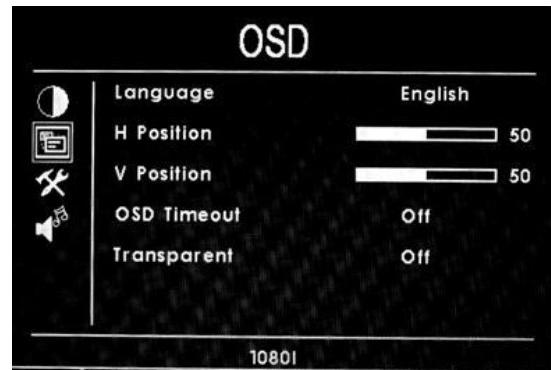
- Brightness: To adjust the image's brightness
- Contrast: To adjust the brightest and darkest ratio of the image, please note the sense of picture when adjust, proportion too large or small, will make the picture lose the color of showy.
- Tint: On NTSC Video mode, the image color tint difference is adjustable by tint.
- Saturation: To adjust color concentration
- Color temperature: Enter into (color)menu, press "◀"or"▶" on the unit to confirm, press "▲"or"▼" to select the form of color temperature, then press "◀"or"▶"on the unit to confirm, then use "▲"or"▼" to select color temperature such as: 9300 K, 7500K, 6500K or USER.(the monitor leave the factory defaults 6500K)



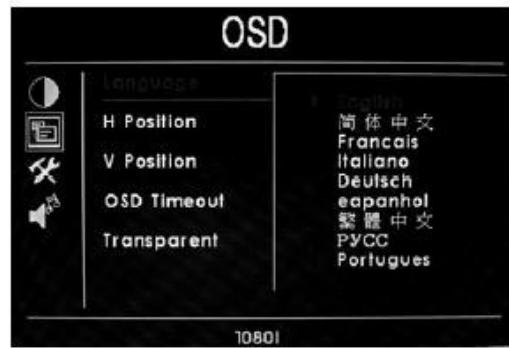
When select "USER", use "▲"or"▼" to select color R、G、B, then use "◀"or"▶" to adjust the value of Analog, to make sure the color of picture meets need.

b) OSD menu

After select "OSD" function, press "◀"or"▶" button to confirm, then enter into parameters adjust. Using "▲"or"▼" button to select optional items, then using "◀"or"▶" button to adjust the parameters



Language : Languages for OSD as below:



- H Position : To adjust the OSD position in horizontal.
- V Position : To adjust the OSD position in vertical.
- OSD Timeout : To adjust the clock.
- Transparent : To adjust the level of transparent.

c) FUNCTION Menu

After select "function", press "◀"or"▶" button to confirm, then enter into parameters adjust. Using "▲"or"▼" button to select adjustable items, then using "◀"or"▶" button to adjust the parameters.



- Reset : Back to original setting.
- Display Ratio : To change the display ratio 16:9/4:3.
- Screen Marker:(80%, 85%, 90%, 93%, 95%)

d) SOUND Menu

After select "menu" function, press "◀ "or"▶"button to confirm. Then enter into parameters adjust. Use "▲"or"▼" to select adjustable options, then use" "or" "adjust specific parameters



- Volume: To adjust the volume.

9. WARRANTY AND CONTACTS

The warranty of this product is 1 year Parts and Labor from the date of purchase. If the fault in the product is due to improper use of the product or operations carried out by third parties, the warranty is lost. If the product frame is open, the warranty is lost.

During the warranty period, the unit will be repaired free of charge. Return shipping are the responsibility of the customer. Return shipping have to be made through your local distributor/dealer.

For any question during the installation, contact our after sales service on the following address:
info@newhank.com